**Postdoc in swine nutrition and microbiome at the University of Manitoba, Animal Science.**

We are looking for a highly motivated and dynamic postdoctoral researcher for a 2-year position to work on swine nutrition aspects of ration formulation, chemical analysis of feeds, nutrient digestibility, and microbiome.

**Our research Interests**

Dietary manipulation, gut health and function.

Improving dietary energy and nutrient utilization

Evaluation and development of alternatives to in-feed antibiotics.

Functional feed additive development

Image analysis for a rapid measure of animal, feed and meat traits

Ante- and post-mortem factors affect carcass composition and quality

**Primary activities**

Chemical and nutritive value of feeds

Analysis of growth performance data

Microbiome analysis in fecal samples

Determine nutrient digestibility and compare with NIR values

Perform NIR Spectroscopy of fecal samples

Perform statistical analysis of data, prepare interim reports and manuscript

Collect samples in swine production and slaughter facilities

**Profile**

Recent Ph.D. degree (within the past 5 years) in Animal Science or similar

Essential experience in swine nutrition

Experience in conducting experiments in swine production and slaughter facilities

Knowledge in chemical analysis of feed

Knowledge in nutrient digestibility determination

Knowledge microbiome analysis and interpretation

Experience in statistical analysis

Have project management skills to comply with project deadlines and milestones

Proficient communication skills and ability to work in multidisciplinary teams.

Leadership skills, able to inspire and motivate people

An excellent publication track record.

It is required that the applicant is fluent in written and spoken English.

**Offer**

The employment as a postdoc is a full time and fixed-term position. Starting as soon as possible until March 31, 2022.

The possibility to participate and present your research at national and international conferences.

Gain insight a close collaboration with an international swine company.

**To Apply**

Forward your cover letter, CV, and the names and contact information of three references to [Argenis.RodasGonzalez@umanitoba.ca](mailto:Argenis.RodasGonzalez@umanitoba.ca)